Discrete Mathematics (BBS01T1009)

Question 1
Not yet answered
Marked out of 1.00
Flag question

The relation R defined on the set of integers as $R = \{(a, b) | a = b + 1\}$ is an equivalence relation.

Select one:
- True
- False

Question 2
Not yet answered
Marked out of 1.00
Flag question

The order of $2 \in \mathbb{Z}$, if $(\mathbb{Z}, +)$ is a group, where $\mathbb{Z}$ is a set of integers.

Select one:
- a. 1
- b. infinite
- c. 2
- d. finite

Clear my choice

Question 3
Not yet answered
Marked out of 1.00
Flag question

Which of the following is not a binary operation on Z-set of integers?

Select one:
- a. +
- b. / (Division)
- c. . (Multiplication)
- d. - (subtraction)

Clear my choice

Question 4
An Algebraic Structure (G,*) is said to be a Monoid if

Quiz navigation
1 2 3 4 5
Finish attempt ...
Time left **0:07:21**

Flag question

b. / (Division)
c. . (Multiplication)
d. - (subtraction)

Clear my choice

Question 4
Not yet answered
Marked out of 1.00
Flag question

An Algebraic Structure (G,*) is said to be a Monoid if

Select one:
a. G is associative with the operation *
b. Identity element exists
c. None of these
d. All of the above

Clear my choice

Question 5
Not yet answered
Marked out of 1.00
Flag question

If the recurrence relation is $a_1 = 1, a_n = 2n + a_{n-1}$. Then value of a_3 is

Select one:
a. 5
b. 10
c. 11
d. 21

Clear my choice

Finish attempt ...